

FIG. 1 (PRIOR ART)

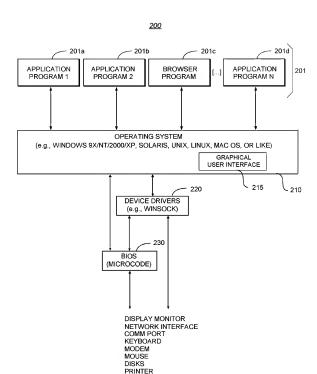
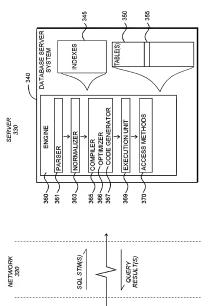


FIG. 2



1 311

PC(S) OR TERMINAL(S)

300

CLIENT(S) 310

FIG. 3

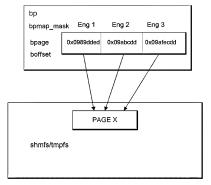
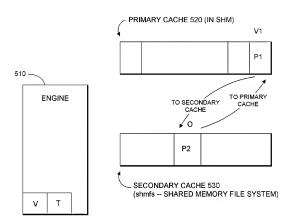


FIG. 4



V -> FREE VIRTUAL ADDRESS OF 1 PAGE T -> TEMP PRIVATE MEMORY OF ENGINE 510 OF SIZE 1 PAGE

FIG. 5

COLD READ FROM DISK

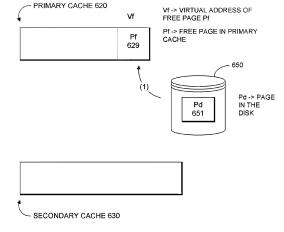


FIG. 6A

WARM READ FROM DISK

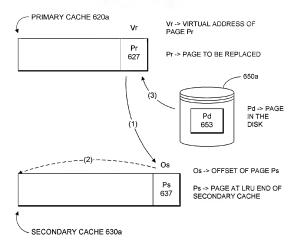
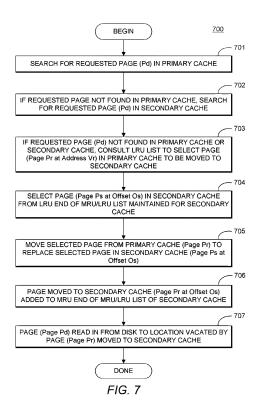


FIG. 6B



SECONDARY CACHE HIT

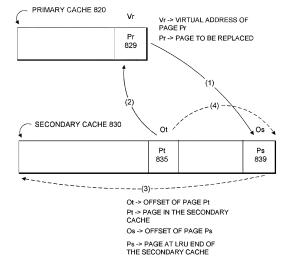


FIG. 8

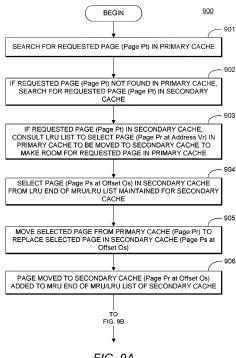


FIG 9A

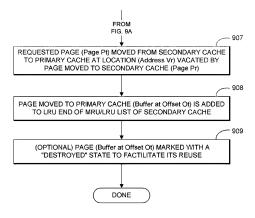
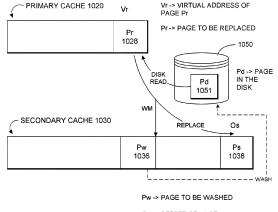


FIG. 9B

WASH MECHANISM IN SECONDARY CACHE



Os -> OFFSET OF PAGE Ps

Ps -> PAGE AT LRU END OF THE SECONDARY CACHE

FIG. 10

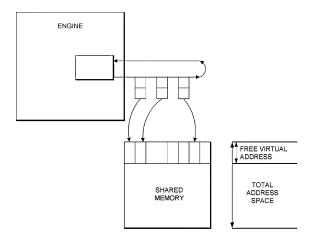


FIG. 11

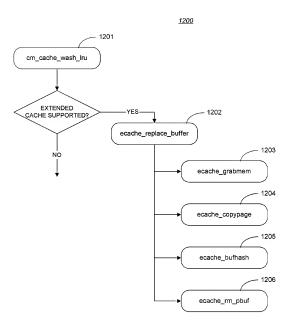


FIG. 12

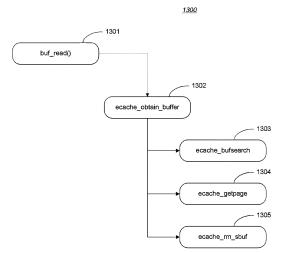


FIG. 13